

Response to Office Action

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OIPE/JCWS

From:

Jian H. Zhao
414 Nimitz Place
North Brunswick
NJ 08902

To:

Tan Tran
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Date: March 1, 2005

Re: Office Action for Application No. 10/671,233

As the inventor of the pending patent, I, Jian H. Zhao, hereby elect Species A, Figs. 8,9 of the original application filed on 25 September 2003 for prosecution.

For Species A, besides the unique designs of (i) a p⁺ gate region (region 90 of Fig. 8) *that is vertical* and (ii) a vertical channel opening *that is uniform in its opening dimension*, another novel feature is the location of the vertically positioned p⁺ gates (region 90 of Fig. 8) with respect to the top source layer: the two top ends of the vertical side-walls of the p-type "U" of the said U-shaped pn junctions are designed to be *directly and immediately beneath the source layer as illustrated in Figs. 8 and 9*.

A list of all claims for Species A is attached.

Thank you and best regards.

P\$ Attached please find an assignment